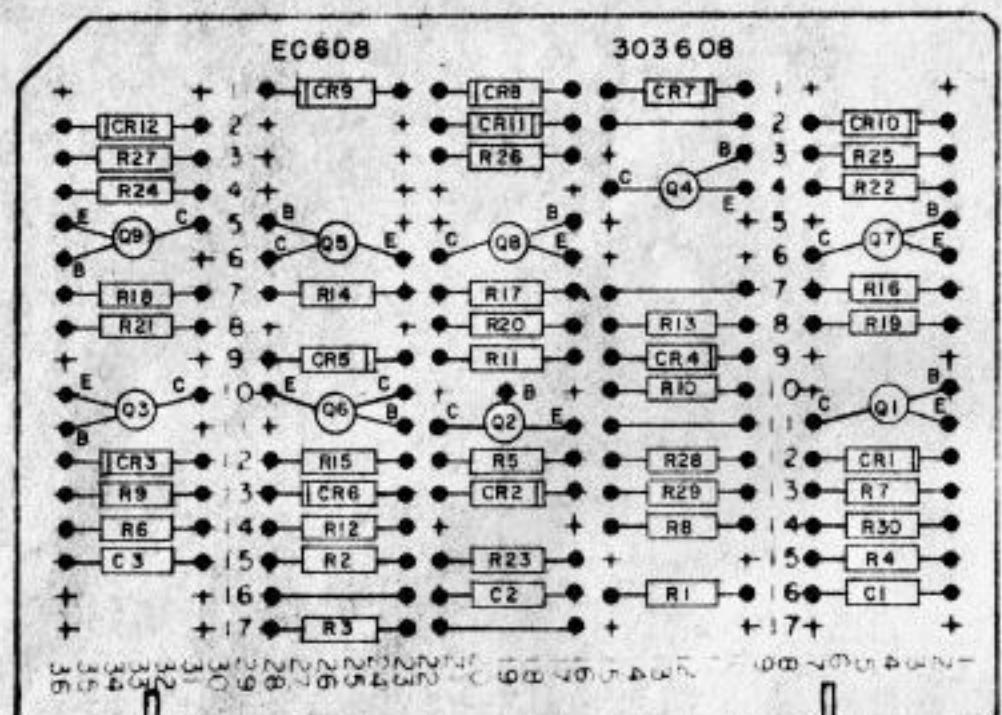


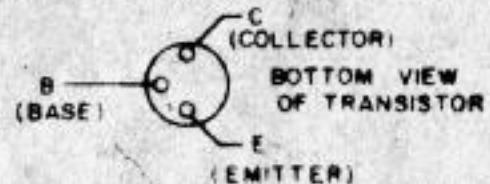
EC608

303608



NOTE

REF ID: A6250WD FOR BASIC MARKING AND PRODUCTION INFORMATION



(COLLECTOR) THIS CARD CONSISTS OF THREE IDENTICAL CIRCUITS THAT ARE USED TO PROVIDE A HIGH CURRENT 15-35 μ SEC. PULSE UPON RECEIPT OF A 6 VOLT POSITIVE TRANSITION.

B BASE) BOTTOM VIEW OF TRANSISTOR E (EMITTER) NORMALLY TRANSISTOR (15) IS ON AND TRANSISTOR (17) IS OFF AND THE EMITTER OF (16) IS SLIGHTLY POSITIVE WITH RESPECT TO GROUND. WHEN A -6 VOLT TO 0 VOLT TRANSITION OCCURS AT PIN (18), TRANSISTOR (15) IS TURNED OFF, MAKING ITS COLLECTOR GO TO -6 VOLTS. THIS CAUSES THE EMITTER OF (16) TO BECOME -6 VOLTS, TURNING ON TRANSISTOR (17).

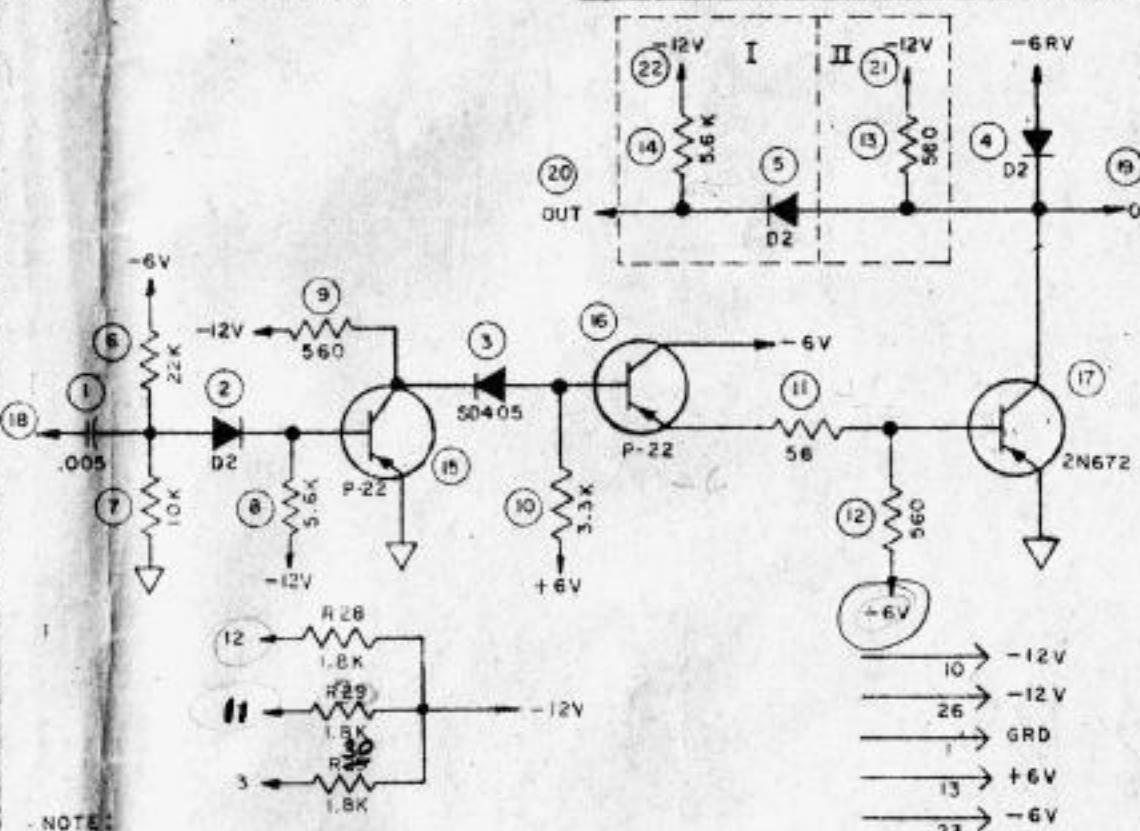
TWO ALTERNATE OUTPUTS ARE AVAILABLE FROM TRANSISTOR (7).
I WHEN THE OUTPUT IS TAKEN FROM PIN (20), DIODE (5) PREVENTS ANY POSITIVE
PULSES ON THE LINE FROM APPEARING ON PIN (19). THE TIME AND
AMPLITUDE OF THE OUTPUT PULSE WILL BE IN ACCORDANCE WITH CASE II.
PIN (22) SHOULD BE CONNECTED TO -12 VOLT SUPPLY.

II IF CONNECTED AS SHOWN IN II THE OUTPUT AT PIN 19 IS A 6 VOLT
POSITIVE PULSE THAT CAN BE USED TO TRIGGER 40 FLIP-FLOPS AT A
REPETITION RATE OF 3KC. PIN 21 SHOULD BE CONNECTED TO -12 VOLT
SUPPLY

OPTIONAL RESISTORS R28, R29, R30 CAN BE USED FOR LOADING OR
BIASING PURPOSES.

POWER PULSER (3)

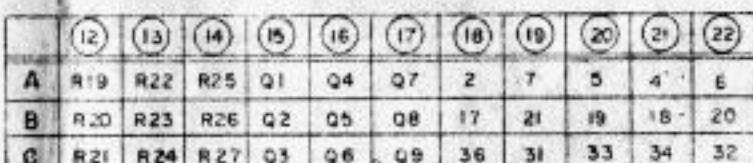
CIRCUIT BOARD EC60B



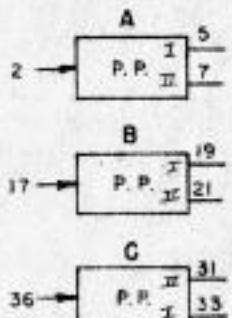
- NOTE: CIRCLED NUMBERS DESIGNATE COMPONENTS OR INPUT AND OUTPUT TERMINALS OF MULTIPLE CIRCUITS.

TABLE E

	1	2	3	4	5	6	7	8	9	10	11
A	C1	CR1	CR4	CR7	CR10	R1	R4	R7	R10	R13	R16
B	C2	CR2	CR5	CR8	CR11	R2	R5	R8	R11	R14	R17
C	C3	CR3	CR6	CR9	CR12	R3	R6	R9	R12	R15	R18



SYMBOLS



12 —————— 12V
L.B.K.

μ ————— 12V
1.8K

3 -  - 12V
1.6K

REF DESIGN	TELETYPE PART NO	TOTAL QTY	NAME AND DESCRIPTION	LOCATING FUNCTION	REF DESIGN	TELETYPE PART NO	TOTAL QTY	NAME AND DESCRIPTION	LOCATING FUNCTION
C1-C3	137303	3	CAPACITOR, .005 MFD	INPUT CAPACITOR	Q7-Q9	177103	3	TRANSISTOR,(2N672)	AMPLIFIER
CRI-CR3	177108	9	DIODE, D2	GATE	EC	300007	1	CIRCUIT CARD, ETCHED	
CR4-CR6	177109	3	DIODE, SD405	COUPLING DIODE	144495	9	PAD, TRANSISTOR		
CR7-CR12			SAME AS CRI	CLAMP DIODE		5	STRAP, 24 AWG BARE		
R1-R3	118117	3	RESISTOR, 22K OHM	DIODE BIAS					
R4-R6	129854	3	RESISTOR, 10K OHM	DIODE BIAS					
R7-R9	118186	6	RESISTOR, 5.6K OHM	BASE BIAS					
R10-R12	143659	9	RESISTOR, 560 OHM	COLLECTOR LOAD					
R13-R15	129851	3	RESISTOR, 3.3K OHM	BASE BIAS					
R16-R18	177122	3	RESISTOR, 56 OHM	BASE INPUT					
R19-R21			SAME AS R10	BASE BIAS					
R22-R24			SAME AS R10	COLLECTOR LOAD					APPROVALS AND # F OF M
R25-R27			SAME AS R7	DIODE BIAS					E NUMBER PROD. NO 303608
Q1-Q3	177105	6	TRANSISTOR (P22)	INVERTOR					DATE 11-14-63 PD FILE NO G-A-353.219A
Q4-Q6			SAME AS Q1	EMITTER FOLLOWER					DRAWN P.K. CHKL ENG'D D.L. APPROV
									TELETYPE CORPORATION

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